

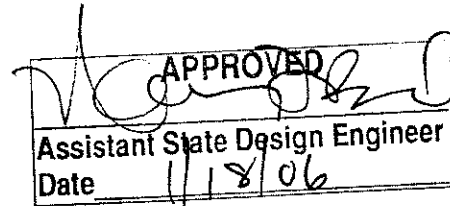
06-0014



**Washington State  
Department of Transportation**

**Memorandum**

January 13, 2006



TO: Nancy Boyd  
MS 47330

THRU: Don Wills, MS 111

FROM: James Sims / Steve Strand MS 125  
(206) 440-4450 / (206) 440-4475

SUBJECT: MS5296  
HS-ITS Improvements  
Supplemental ITS Proprietary Approval Request

We are requesting blanket proprietary approval of the following ITS materials for use in the Home Land Security (HS) projects scheduled this biennium through MS5296.

These projects will add to our existing ITS system to provide security through surveillance and detection at various locations. In order to assure the best use of the HS funding provided, we have selected equipment that we have experience and training with and will provide a working system. In addition, the equipment required for security surveillance must be compatible with our existing system. It is not in the public interest to install a system of this nature that does not work, due to system integration problems related to Contractor selected items.

The subject items and justification for each follow:

- Cohu Fixed Camera system - Model 2700
- Traficon Video Detection System
- Kalatel System KTS 750-16
- Dina/Polaris Digital Video Recorder (DVR)
- MRX Platinum-300 - Motion Sensor Assembly

**Cohu Fixed Camera System - Model 2700**

The Cohu fixed camera model 2700 has been evaluated and accepted by WSDOT Vulnerability Assessment Team for use in the Home Land Security projects. This camera is suitable for use in low light areas such as tunnels and under bridges. This product is essential for synchronization with our existing ITS system. Our existing Traffic System Management Center (TSMC) software can only control Cohu cameras. Other systems are not compatible because of control protocol issues.

**Traficon Video Detection System**

Traficon Video Detection System is to be used for the vehicle detection as part of the security surveillance system. This information will be transmitted to the TSMC over our

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existing fiber network. This product has been selected because it is deemed as being in the public interest. WSDOT NWR Maintenance has made a significant investment in training, parts, and operation familiarity with this system for vehicle detection on WSDOT signal systems.

**Kalatel System Video Amplifier**

Kalatel System video amplifier, KTS 750-16 is to be used for receiving and transmitting video images for the surveillance system. This product is essential for synchronization with our existing ITS system. This system is compatible with our communications network.

**Dina/Polaris Digital Video Recorder**

The Dina or Polaris video recorder is to be used for recording video images, receiving and generating alarm inputs, providing alarm outputs and providing data through WSDOT IT network. The Dina and Polaris software can stream 16 channels of live or synchronized recorded video across the Internet and allow remote viewing of video from the field to the Traffic Management Center. These products have been selected because they are deemed as being in the public interest. WSDOT NWR Maintenance has made an investment in training, parts, and operation familiarity with the Dina system for security our signal maintenance shop. The Polaris system is a similar system. The HS security system is experimental in nature and we have confidence that this equipment will provide a functioning system.

**MRX Platinum-300 - Motion Sensor Assembly**

The MRX Platinum-300 - Motion Sensor Assembly is to be used for entry detection in the security system. MRX Platinum-300 - Motion Sensor Assembly has IR and Microwave technology, ability to screen false signals and provide a high degree of detection over a single technology. After researching manufacturers, discussions with security consultants and our IT experts, we have determined that the best product to test within our system is the MRX Platinum-300 Motion Sensor. It is in the public's interest to specify this sensor to eliminate the trouble shooting expenditures, that may be encountered as a result of an incompatible, contractor supplied sensor.

By specifying this equipment, we ensure compatibility with the existing system and minimize maintenance training and inventory.

If you have any questions or need additional information on this matter, please contact Mosen Janka at (206) 440-4476 and Steve Strand at (206) 440-4475 or via e-mail.

JS:mj:mlf

cc: Project File; Day File; Joe Long